



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| | | | | |
|-----------------|-------------|----------------------|---------------------|------------------|
| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 10/058,805 | 01/30/2002 | Hiroyuki Tomoike | Q68279 | 4726 |

7590 05/04/2007
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC
2100 Pennsylvania Avenue, N.W.
Washington, DC 20037-3213

| | |
|-----------------|--|
| EXAMINER | |
| NGUYEN, THANH T | |

| | |
|----------|--------------|
| ART UNIT | PAPER NUMBER |
| 2144 | |

| | |
|------------|---------------|
| MAIL DATE | DELIVERY MODE |
| 05/04/2007 | PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | | |
|------------------------------|-------------------------------|-----------------------------------|--|
| Office Action Summary | Application No. 10/058,805 | Applicant(s) TOMOIKE, HIROYUKI | |
| | Examiner Tammy T. Nguyen | Art Unit 2144 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE (3) MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 February 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 January 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

Detailed Office Action

1. In response to the amendment filed on February 2, 2007.
2. Claims 1-7 are pending.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Martin, Jr et al., (hereinafter Martin) U.S. Patent No. 6,610,105 in view of Chern et al., (hereinafter Chern) U.S. Patent No. 6,381,465.
5. As to claim 1, Martin, Jr discloses the invention substantially as claimed, Martin, Jr teaches including a mobile communication system, comprising: a portable information terminal unit [see Martin Jr, mobile device 106 of fig.1A, and col.5, lines 26-31, (Base station control radio or telecommunication links with mobile device 106)]; mobile stations capable of participating simultaneously in communication with said portable

[(see Martin Jr, Base station 102 of fig.2A, and col.5, lines 23-25, col.6, lines 40-45, (mobile device 106 is capable of communicating wirelessly with antenna 108 by airnet 102, and the airnet communicates simultaneously with a plurality of mobile devices)]. A packet mobile switching center which is adapted to communicate with said mobile stations through a radio access network [see Martin Jr, col.5, lines 6-40](the operations and maintenance center comprises a mobile switching center performing the switching of calls between the mobile devices and other fixed or mobile network users); a packet mobile gateway switching center which is adapted to communicate with said packet mobile switching center through a mobile data network [gateway server see Martin Jr, in fig.2A as link server 114, and see col.5, lines 40-67](between landnet 100 and airnet 102 there is a server device 114 functioning as a bridge between the two networks and server 114, also referred to as a link server, proxy server, wireless data server or network gateway server); and a content server which is adapted to communicate with said packet mobile gateway switching center through the Internet [see Martin Jr, server 134, 132 communicate with link server 114 through the internet 104, and host server 128 with database 130, also see col.6, lines 52 to col.7, line 33] (database 130 can be an independent storage location or physically a part of host server). However, Martin Jr does not explicitly disclose a plurality of mobile station and portable information unit is adapted to download or upload data from or to said content server through the plurality of mobile stations, wherein the data is divided into a plurality of pieces and each of the plurality of mobile station uploads or downloads only a portion of the plurality of pieces of the data.

6. In the same field of endeavor, Chern discloses (e.g., a system and method for attaching an advertisement to an SMS....wireless transmission). Chern discloses a plurality of mobile station [see Chern, col.5, lines 40-58], (network 140 is typically comprised of a plurality of base station that provide replay point for communication network) and portable information unit is adapted to download or upload data from or to said content server through the plurality of mobile stations, wherein the data is divided into a plurality of pieces and each of the plurality of mobile station uploads or downloads only a portion of the plurality of pieces of the data [see Chern, col.13, lines 12-21] (Alternatively, the program or portion of it could be stored on server 136 and downloaded to handset 130 as needed).
7. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Chern's teachings of a system and method for attaching an advertisement to an SMS message for wireless transmission with the teachings of Martin Jr, for the purpose of updating scripts and/or prompts may be downloaded for server to handset [see Chern, col.6, lines43-45]. Thus, providing the motivation by stating that there exist a need to minimize the amount of memory required in handset, memory costs and airtime costs [see Chern col.6, lines 46-50].
8. As to claim 2, Martin, Jr discloses the invention substantially as claimed, Martin, Jr teaches including a mobile communications system comprising: a portable information terminal unit [see Martin Jr, mobile device 106 of fig.1A, and col.5, lines 26-31, (Base station control radio or telecommunication links with mobile device 106)]; wherein: said portable information terminal unit is adapted to communicate with a mobile stations [(see

Martin Jr, Base station 102 of fig.2A, and col.5, lines 23-25, col.6, lines 40-45, (mobile device 106 is capable of communicating wirelessly with antenna 108 by airnet 102, and the airnet communicates simultaneously with a plurality of mobile devices)]; mobile stations are capable of participating simultaneously in communication with a packet mobile switching center through a radio access network [see Martin Jr, col.5, lines 6-40](the operations and maintenance center comprises a mobile switching center performing the switching of calls between the mobile devices and other fixed or mobile network users); said packet mobile switching center is adapted to communicate with a packet mobile gateway switching center through a mobile data network [gateway server see Martin Jr, in fig.2A as link server 114, and see col.5, lines 40-67](between landnet 100 and airnet 102 there is a server device 114 functioning as a bridge between the two networks and server 114, also referred to as a link server, proxy server , wireless data server or network gateway server), said mobile gateway switching center is adapted to communicate with a content server through the Internet [see Martin Jr, server 134, 132 communicate with link server 114 through the internet 104, and host server 128 with database 130, also see col.6, lines 52 to col.7, line 33] (database 130 can be an independent storage location or physically a part of host server). However, Martin Jr does not explicitly disclose a plurality of mobile station and portable information unit is adapted to download or upload data from or to said content server through the plurality of mobile stations, wherein the data is divided into a plurality of pieces and each of the plurality of mobile station uploads or downloads only a portion of the plurality of pieces of the data.

9. In the same field of endeavor, Chern discloses (e.g., a system and method for attaching an advertisement to an SMS....wireless transmission). Chern discloses a plurality of mobile station [see Chern, col.5, lines 40-58, (network 140 is typically comprised of a plurality of base station that provide replay point for communication network)] and portable information unit is adapted to download or upload data from or to said content server through the plurality of mobile stations, wherein the data is divided into a plurality of pieces and each of the plurality of mobile station uploads or downloads only a portion of the plurality of pieces of the data [see Chern, col.13, lines 12-21, (Alternatively, the program or portion of it could be stored on server 136 and downloaded to handset 130 as needed)].
10. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Chern's teachings of a system and method for attaching an advertisement to an SMS message for wireless transmission with the teachings of Martin Jr, for the purpose of updating scripts and/or prompts may be downloaded for server to handset [see Chern, col.6, lines43-45]. Thus, providing the motivation by stating that there exist a need to minimize the amount of memory required in handset, memory costs and airtime costs [see Chern col.6, lines 46-50].
11. As to claim 3, Martin, Jr discloses the invention substantially as claimed, Martin, Jr teaches including a mobile communications system comprising: mobile stations connect to the packet switching center, are adapted to communicate with a packet mobile switching center through a radio access network [see Martin Jr, col.5, lines 6-40](the

operations and maintenance center comprises a mobile switching center performing the switching of calls between the mobile devices and other fixed or mobile network users); said packet mobile switching center is adapted to communicate with a packet mobile gateway switching center through a mobile data network[gateway server see Martin Jr, in fig.2A as link server 114, and see col.5, lines 40-67](between landnet 100 and airnet 102 there is a server device 114 functioning as a bridge between the two networks and server 114, also referred to as a link server, proxy server , wireless data server or network gateway server) said mobile gateway switching center is adapted to communicate with a content server through the Internet [see Martin Jr, server 134, 132 communicate with link server 114 through the internet 104, and host server 128 with database 130, also see col.6, lines 52 to col.7, line 33] (database 130 can be an independent storage location or physically a part of host server). However, Martin Jr does not explicitly disclose a plurality of mobile station and portable information unit is adapted to download or upload data from or to said content server through the plurality of mobile stations, wherein the data is divided into a plurality of pieces and each of the plurality of mobile station uploads or downloads only a portion of the plurality of pieces of the data.

12. In the same field of endeavor, Chern discloses (e.g., a system and method for attaching an advertisement to an SMS....wireless transmission). Chern discloses a plurality of mobile station [see Chern, col.5, lines 40-58, (network 140 is typically comprised of a plurality of base station that provide replay point for communication network)] and portable information unit is adapted to download or upload data from or to said content server through the plurality of mobile stations, wherein the data is divided into a plurality of

pieces and each of the plurality of mobile station uploads or downloads only a portion of the plurality of pieces of the data [see Chern, col.13, lines 12-21, (Alternatively, the program or portion of it could be stored on server 136 and downloaded to handset 130 as needed)].

13. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Chern's teachings of a system and method for attaching an advertisement to an SMS message for wireless transmission with the teachings of Martin Jr, for the purpose of updating scripts and/or prompts may be downloaded for server to handset [see Chern, col.6, lines 43-45]. Thus, providing the motivation by stating that there exist a need to minimize the amount of memory required in handset, memory costs and airtime costs [see Chern col.6, lines 46-50].

14. As to claim 4, Martin, Jr discloses the invention substantially as claimed, Martin, Jr teaches including a packet mobile switching center which is adapted to communicate with a plurality of mobile stations through a radio access network wherein; mobile stations are capable of participating simultaneously in communication with portable information unit [see Martin Jr, col.5, lines 6-40](the operations and maintenance center comprises a mobile switching center performing the switching of calls between the mobile devices and other fixed or mobile network users); said packet mobile switching center is adapted to communicate with a packet mobile gateway switching center through a mobile data network [gateway server see Martin Jr, in fig.2A as link server 114, and see col.5, lines 40-67](between landnet 100 and airnet 102 there is a server device 114

functioning as a bridge between the two networks and server 114, also referred to as a link server, proxy server, wireless data server or network gateway server), said mobile gateway switching center is adapted to communicate with a content server through the Internet [see Martin Jr, server 134, 132 communicate with link server 114 through the internet 104, and host server 128 with database 130, also see col.6, lines 52 to col.7, line 33] (database 130 can be an independent storage location or physically a part of host server). However, Martin Jr does not explicitly disclose a plurality of mobile station and portable information unit is adapted to download or upload data from or to said content server through the plurality of mobile stations, wherein the data is divided into a plurality of pieces and each of the plurality of mobile station uploads or downloads only a portion of the plurality of pieces of the data.

15. In the same field of endeavor, Chern discloses (e.g., a system and method for attaching an advertisement to an SMS....wireless transmission). Chern discloses a plurality of mobile station [see Chern, col.5, lines 40-58, (network 140 is typically comprised of a plurality of base station that provide replay point for communication network)] and portable information unit is adapted to download or upload data from or to said content server through the plurality of mobile stations, wherein the data is divided into a plurality of pieces and each of the plurality of mobile station uploads or downloads only a portion of the plurality of pieces of the data [see Chern, col.13, lines 12-21, (Alternatively, the program or portion of it could be stored on server 136 and downloaded to handset 130 as needed)].

16. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Chern's teachings of a system and method for attaching an advertisement to an SMS message for wireless transmission with the teachings of Martin Jr, for the purpose of updating scripts and/or prompts may be downloaded for server to handset [see Chern, col.6, lines43-45]. Thus, providing the motivation by stating that there exist a need to minimize the amount of memory required in handset, memory costs and airtime costs [see Chern col.6, lines 46-50].
17. As to claim 5, Martin, Jr discloses the invention substantially as claimed, Martin, Jr teaches including a packet mobile gateway switching center which is adapted to communicate with a packet mobile switching center is adapted to communicate with a mobile station through a radio access network; mobile stations are capable of participating simultaneously in communication with portable information unit [see Martin Jr, col.5, lines 6-40](the operations and maintenance center comprises a mobile switching center performing the switching of calls between the mobile devices and other fixed or mobile network users), said mobile gateway switching center is adapted to communicate with a content server through the Internet [see Martin Jr, server 134, 132 communicate with link server 114 through the internet 104, and host server 128 with database 130, also see col.6, lines 52 to col.7, line 33] (database 130 can be an independent storage location or physically a part of host server). However, Martin Jr does not explicitly disclose a plurality of mobile station and portable information unit is adapted to download or upload data from or to said content server through the plurality of

mobile stations, wherein the data is divided into a plurality of pieces and each of the plurality of mobile station uploads or downloads only a portion of the plurality of pieces of the data.

18. In the same field of endeavor, Chern discloses (e.g., a system and method for attaching an advertisement to an SMS....wireless transmission). Chern discloses a plurality of mobile station [see Chern, col.5, lines 40-58, (network 140 is typically comprised of a plurality of base station that provide replay point for communication network)] and portable information unit is adapted to download or upload data from or to said content server through the plurality of mobile stations, wherein the data is divided into a plurality of pieces and each of the plurality of mobile station uploads or downloads only a portion of the plurality of pieces of the data [see Chern, col.13, lines 12-21, (Alternatively, the program or portion of it could be stored on server 136 and downloaded to handset 130 as needed)].
19. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Chern's teachings of a system and method for attaching an advertisement to an SMS message for wireless transmission with the teachings of Martin Jr, for the purpose of updating scripts and/or prompts may be downloaded for server to handset [see Chern, col.6, lines43-45]. Thus, providing the motivation by stating that there exist a need to minimize the amount of memory required in handset, memory costs and airtime costs [see Chern col.6, lines 46-50].

20. As to claim 6, Martin, Jr discloses the invention substantially as claimed, Martin, Jr teaches including a contents server which is adapted to communicate with a packet mobile gateway switching center through the Internet, wherein said packet mobile switching center is adapted to communicate with a packet mobile gateway switching center through a mobile data network [gateway server see Martin Jr, in fig.2A as link server 114, and see col.5, lines 40-67](between landnet 100 and airnet 102 there is a server device 114 functioning as a bridge between the two networks and server 114, also referred to as a link server, proxy server , wireless data server or network gateway server), mobile stations capable of participating simultaneously in communication with said portable [(see Martin Jr, Base station 102 of fig.2A, and col.5, lines 23-25, col.6, lines 40-45, (mobile device 106 is capable of communicating wirelessly with antenna 108 by airnet 102, and the airnet communicates simultaneously with a plurality of mobile devices)]. A packet mobile switching center which is adapted to communicate with said mobile stations through a radio access network [see Martin Jr, col.5, lines 6-40](the operations and maintenance center comprises a mobile switching center performing the switching of calls between the mobile devices and other fixed or mobile network users). However, Martin Jr does not explicitly disclose a plurality of mobile station and portable information unit is adapted to download or upload data from or to said content server through the plurality of mobile stations, wherein the data is divided into a plurality of pieces and each of the plurality of mobile station uploads or downloads only a portion of the plurality of pieces of the data.

21. In the same field of endeavor, Chern discloses (e.g., a system and method for attaching an advertisement to an SMS....wireless transmission). Chern discloses a plurality of mobile station [see Chern, col.5, lines 40-58, (network 140 is typically comprised of a plurality of base station that provide replay point for communication network)] and portable information unit is adapted to download or upload data from or to said content server through the plurality of mobile stations, wherein the data is divided into a plurality of pieces and each of the plurality of mobile station uploads or downloads only a portion of the plurality of pieces of the data [see Chern, col.13, lines 12-21, (Alternatively, the program or portion of it could be stored on server 136 and downloaded to handset 130 as needed)].
22. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Chern's teachings of a system and method for attaching an advertisement to an SMS message for wireless transmission with the teachings of Martin Jr, for the purpose of updating scripts and/or prompts may be downloaded for server to handset [see Chern, col.6, lines43-45]. Thus, providing the motivation by stating that there exist a need to minimize the amount of memory required in handset, memory costs and airtime costs [see Chern col.6, lines 46-50].
23. As to claim 7, Martin, Jr discloses the invention substantially as claimed, Martin, Jr teaches including a mobile communication system, comprising: a portable information terminal unit [see Martin Jr, mobile device 106 of fig.1A, and col.5, lines 26-31, (Base station control radio or telecommunication links with mobile device 106)]; mobile

stations capable of participating simultaneously in communication with said portable [(see Martin Jr, Base station 102 of fig.2A, and col.5, lines 23-25, col.6, lines 40-45, (mobile device 106 is capable of communicating wirelessly with antenna 108 by airnet 102, and the airnet communicates simultaneously with a plurality of mobile devices)]; a packet mobile switching center which is adapted to communicate with said mobile stations through a radio access network [see Martin Jr, col.5, lines 6-40](the operations and maintenance center comprises a mobile switching center performing the switching of calls between the mobile devices and other fixed or mobile network users); a packet mobile gateway switching center which is adapted to communicate with said packet mobile switching center through a mobile data network [gateway server see Martin Jr, in fig.2A as link server 114, and see col.5, lines 40-67](between landnet 100 and airnet 102 there is a server device 114 functioning as a bridge between the two networks and server 114, also referred to as a link server, proxy server, wireless data server or network gateway server); and a content server which is adapted to communicate with said packet mobile gateway switching center through the Internet [see Martin Jr, server 134, 132 communicate with link server 114 through the internet 104, and host server 128 with database 130, also see col.6, lines 52 to col.7, line 33] (database 130 can be an independent storage location or physically a part of host server). However, Martin Jr does not explicitly disclose a plurality of mobile station and portable information unit is adapted to download or upload data from or to said content server through the plurality of mobile stations, wherein the data is divided into a plurality of pieces and each of the

plurality of mobile station uploads or downloads only a portion of the plurality of pieces of the data.

24. In the same field of endeavor, Chern discloses (e.g., a system and method for attaching an advertisement to an SMS....wireless transmission). Chern discloses a plurality of mobile station [see Chern, col.5, lines 40-58, (network 140 is typically comprised of a plurality of base station that provide replay point for communication network)] and portable information unit is adapted to download or upload data from or to said content server through the plurality of mobile stations, wherein the data is divided into a plurality of pieces and each of the plurality of mobile station uploads or downloads only a portion of the plurality of pieces of the data [see Chern, col.13, lines 12-21, (Alternatively, the program or portion of it could be stored on server 136 and downloaded to handset 130 as needed)].

25. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Chern's teachings of a system and method for attaching an advertisement to an SMS message for wireless transmission with the teachings of Martin Jr, for the purpose of updating scripts and/or prompts may be downloaded for server to handset [see Chern, col.6, lines43-45]. Thus, providing the motivation by stating that there exist a need to minimize the amount of memory required in handset, memory costs and airtime costs [see Chern col.6, lines 46-50].

Response to Arguments

26. Applicant's arguments filed on February 2, 2007 have been fully considered, however they are not persuasive because of the following reasons:

27. Applicants argue that Chern does not teach portable information terminal is adapted to download or upload data from or to said content server through the plurality of mobile station only a portion of the plurality of pieces of the data. In response to Applicant's argument, the Patent Examiner maintains the rejection, because Chern does teach a portable information terminal that is adapted to download or upload data from or to said content server through the plurality of mobile station only a portion of the plurality of pieces of the data as shown in as shown in col.13, lines 12-21 (Alternatively, the program or portion of it could be stored on server 136 and downloaded to handset 130 as needed), Chern clearly shows portable information terminal is adapted to download or upload data from or to said content server through the plurality of mobile station.

28. Therefore, the Examiner asserts that cited prior arts teach or suggest the subject matter broadly recited in independent claims 1-7 are rejected as set forth in the previous office action.

29. Accordingly, claims 1-7 are respectfully rejected.

Conclusion

30. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO


Art Unit: 2144

MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.


31. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tammy T. Nguyen whose telephone number is 571-272-3929. The examiner can normally be reached on Monday - Friday 8:30 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, *William Vaughn* can be reached on 571-272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



April 23, 2007



WILLIAM VAUGHN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100